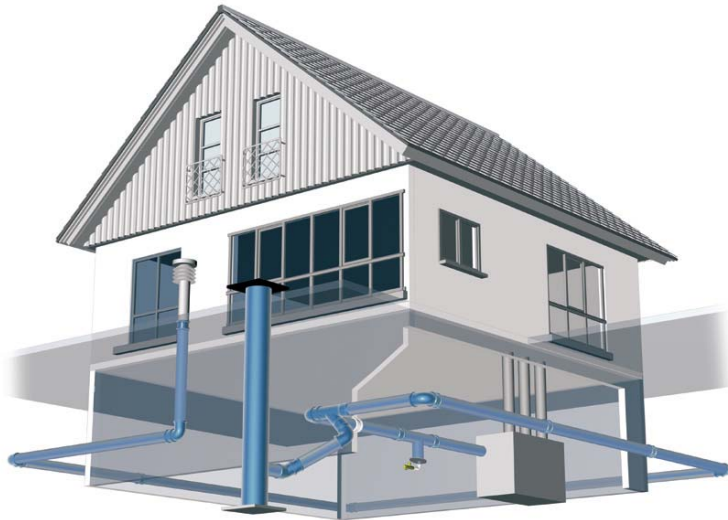


## GROUND TO AIR HEAT EXCHANGER

### SAVE ON HEATING COSTS ELIMINATE AIR CONDITIONING



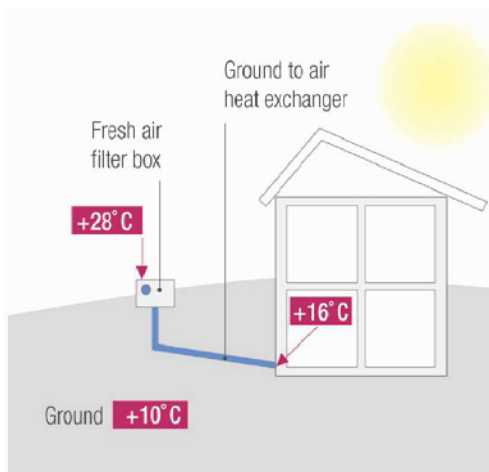
An effective ground to air heat exchanger system from the very simple principle of utilising the almost constant temperature of the soil at a depth of 1.5 to 2m.

Using conductive antimicrobial pipework, air is drawn through an inlet situated outside at ground level and along an underground loop where it absorbs the ground temperature (approx 10 deg C) prior to passing into the Heat Recovery system.

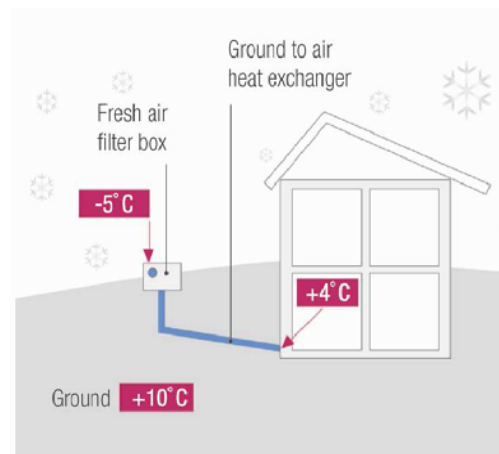
The effect of this is that during the winter months when the air is coldest this process will effectively preheat the air and increase the efficiency of the HR system. This effect, though, is quite minimal due to the efficiency of the modern heat exchanger.

Conversely in the summer when the air temperature is higher this process has the effect of cooling the air before it enters the HR system which eliminates the requirement for any air conditioning, both of which combine to make a saving in the overall energy costs of the dwelling throughout the year not just at peak times.

Call VentRite to discuss installation and costs.



*Operating principle of the air/heat exchanger in Summer*



*Operating principle of the air/heat exchanger in Winter*